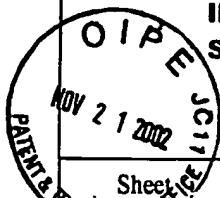


Please type a plus sign (+) inside this box →

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)



Sheet

1

of

1

COMPLETE IF KNOWN

Application Number	09/945,167
Confirmation Number	1582
Filing Date	August 30, 2001
First Named Inventor	Ulrich C. Boettiger
Group Art Unit	1756
Examiner Name	Not yet assigned

Attorney Docket No. 108298543US

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
DB	AA	5,300,971		Kudo	04/05/94	1C 1700 MAIL ROOM
DB	AB	5,684,566		Stanton	11/04/97	NOV 26 2002 P002
DB	AC	6,285,440	B1	Takahashi	09/04/01	REED
DB	AD	6,392,740	B1	Shiraishi et al.	05/21/02	
	AE					
	AF					
	AG					
	AH					
	AI					

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIALS	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)			
	AJ						
	AK						
	AL						
	AM						
	AN						

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

*EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	T
	AO		
	AP		
	AQ		

EXAMINER *DB* DATE CONSIDERED *5/3/04*

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

Please type a plus sign (+) inside this box → **[+]**

PTO/SB/08A

Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

APR 04 2002 (use as many sheets as necessary)

COMPLETE IF KNOWN

Application Number	09/945,167
Confirmation Number	1582
Filing Date	August 30, 2001
First Named Inventor	Ulrich C. Boettiger
Group Art Unit	1756
Examiner Name	Not yet assigned

Attorney Docket No. 108298543US

APR 09 2002
O P E
RECEIVED
U.S. PATENT AND TRADEMARK OFFICE
APR 09 2002

1

of

2

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
DBE	AA	U.S. Application No. 09/993,053	(Atty Docket No. 108298546US)	Boettiger et al.	Filed 11/05/01	
DBE	AB	U.S. Application No. 09/945,316	(Atty Docket No. 108298547US)	Boettiger et al.	Filed 08/30/01	
DBE	AC	4,988,188		Ohta	01/29/91	
DBE	AD	5,142,132		MacDonald et al.	08/25/92	
DBE	AE	5,194,893		Nishi	03/16/93	
DBE	AF	5,436,464		Hayano et al.	07/25/95	
DBE	AG	5,602,620		Miyazaki et al.	02/11/97	
DBE	AH	5,907,392		Makinouchi	05/25/99	
DBE	AI	5,969,800		Makinouchi	10/19/99	
DBE	AJ	6,084,244		Saiki et al.	07/04/00	
DBE	AK	6,188,464 B1		Makinouchi	02/13/01	
	AL					

FOREIGN PATENT DOCUMENTS

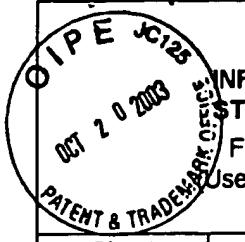
*EXAMINER INITIALS	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number				
DBE	AM	JP	11231234	ASAHI OPTICAL CO. LTD	8/27/99	Abstract Only	
	AN						
	AO						
	AP						
	AQ						
	AR						

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

*EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	T
DBE	AS	OPTICS.ORG, Industry News, "Micronic and Fraunhofer Develop New Pattern Generators," Posted: 10 Dec 1999 (1 page).	

D. B. my Ed

3/3/04



INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
Form PTO-1449 (Modified)
(Use several sheets if necessary)

COMPLETE IF KNOWN

Sheet	1	of	1	Attorney Docket No.	108298543US
-------	---	----	---	---------------------	-------------

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
DBE		5,631,721		Stanton et al.	05/20/1997	
DBE		6,215,578	B1	Lin	04/10/2001	
DBE		6,259,513	B1	Gallatin et al.	07/10/2001	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent or Application		Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	NUMBER				

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	T
DBE		Hamamatsu Photonics K.K., "PPM - Programmable Phase Modulator," 4 pages, September 2000, < http://www.hamamatsu.com >.	
DBE		CRL Opto Limited, LCS2-G Datasheet, 4 pages, 2002, < http://www.crlphoto.com/products/datasheets/files/LCS2-datasheet.pdf >.	
DBE		Boulder Nonlinear Systems, "Liquid Crystal Rotators - Ferroelectric and Nematic," 2 pages, < http://www.bnonlinear.com/papers/rotators.pdf >.	
DBE		Boulder Nonlinear Systems, "Liquid Crystal Shutters / Variable Optical Attenuators - Ferroelectric and Nematic," 2 pages, < http://www.bnonlinear.com/papers/shutters.pdf >.	
DBE		Boulder Nonlinear Systems, "512x512 Multi-level/Analog Liquid Crystal Spatial Light Modulator," 2 pages, < http://www.bnonlinear.com/papers/512SLM.pdf >.	
DBE		Boulder Nonlinear Systems, "256x256 Multi-level/Analog Liquid Crystal Spatial Light Modulator," 2 pages, < http://www.bnonlinear.com/papers/256SLM.pdf >.	
DBE		Digital Optics Corporation, "Pattern Generators," 1 page, 2002, retrieved from the Internet on July 30, 2003, < http://www.digitaloptics.com/products_ind.asp?pid=55 >.	
DBE		Micro-Optics, Inc., "Polarization Maintaining Faraday Rotator (PMFR)," 1 page, retrieved from the Internet on July 30, 2003, < http://www.microopticsinc.com/PMFR.html >.	

EXAMINER	DATE CONSIDERED
D. B. Esplin	3/3/04
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	